

Species Datasheet

Datasheet No. A-140.084.009
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cicerchorassanicum* (Bge.) M. Pop
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Ononischorassanica* Bunge

3. Systematic Position: APG IV; Bentham and Hooker:

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: Rosales Bercht. & J. Presl
Ordo: Leguminosae Juss.
Subordo: Papilionaceae Giseke
Genus: *Cicer* L.
Species: *Cicerchorassanicum* (Bge.) M. Pop

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales Bromhead
- Family: Fabaceae Lindl.
- Subfamily: Faboideae Rudd
- Genus: *Cicer* L.
- Species: *Cicerchorassanicum* (Bge.) M. Pop

4. Distribution:

Global Afghanistan, Iran

India Experimental stations

5. Indigenous/Exotic/Endemic; Cultivated/Wild: Exotic

6. Threat Status:

IUCN

BSI

7. Habit and Habitat:

8. Life Form: Annual

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=16^{1,18,30,37,136}$

14. Gametic chromosome number(s): $n=8^{18}$

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level: Diploid^{1,18,30,37,136}

Image file

17. Agametoploidy:

18. Nature of polyploidy (auto, segmental, allo, autoallo):

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

21. Somatic chromosomes: ^{18,30,37}

Karyotype Majority metacentric /submetacentric chromosomes

Chromosome size Small

NOR chromosome(s) 2

Degree of asymmetrySymmetrical

Image file

22. Banding pattern(s):C- banding³⁷

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization

Image file

24. Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosis8II¹⁸

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level^{44,45,46,48,64,79,89}

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.):Tertiary gene pool of *C. arietinum*